

## Technical - Information

# AVCO-FIX FNN

NON- FORMALDEHYDE FIXING AGENT FOR REACTIVE DYESTUFF

AVCO-FIX FNN is a high quality, formaldehyde free fixing agent specialized for after treatment of direct/ reactive dyestuff dyeing and printing onto cellulosic fabrics.

The product is designed to improve washing fastness of turquoise and other dark shades.

### SPECIFICATION:

<b>Appearance</b>	Clear yellow-brown liquid.
<b>Chemical composition</b>	Special polymer compound.
<b>Ionicity</b>	Cationic.
<b>pH (as is)</b>	5 - 7
<b>Solubility</b>	Easily soluble in water.
<b>Stability</b>	Stable to: Acids, Alkalis, Electrolytes, Water- hardness.
<b>Compatibility</b>	Compatible with cationic and nonionic products.
<b>Storage stability</b>	Solidifies below 0°C. Fully useable after thawing. Should be stored in the temperature range of 5 – 30°C. Stable at least 12 months under room temperature and hermetic conditions.

### PROPERTIES & USES:

1. Can remarkably improve the soaping, washing, perspiration, and seawater fastness, especially fastness to hot water.
2. The light fastness and the fastness to wet fading is not effected or only slightly. The fastness will be increase with higher dosage, can be reached grade of 4/5 with turquoise colour.
3. No fishy odor by the formation of methylamine.
4. It is Eco-friently, free from formaldehyde.
5. Performs obvious fastness enhancement to low and high temperature washing on dyed fabrics by reactive dyestuff with all shades, especially with blue and turquoise shades.
6. No effect to handle and hydrophilicity of treated fabrics.
7. It also is used as fixing agent in dyeing or printing process when apply direct dyes.

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### *APPLICATION:*

#### **1. Exhaust process:**

Usual dosage:

AVCO-FIX FNN: 2.0 – 5.0 % (o.w.f)

pH: 6.0 – 6.5 (adjust by AVCO-CID PHS if needed)

Treat at 40 for 20 min.

#### **2. Pad process:**

AVCO-FIX FNN: 20 – 50 g/l

Dry 110°C x 3 mins, then cure 150 – 170°C for 3 – 1 mins.

For actual application, the process should be adjusted according to correspondent preliminary tries.

AVCO-FIX FNN can be used with other finishing agents in the finishing bath, but it should be pretested with all ingredients before use.